

Meritline
Netphone (MeritPhone)
ML 220
User Manual

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1. Introduction

MeritPhone-ML220 is a practical and highly manageable broadband VoIP phone that looks like a regular phone, and uses the broadband Internet for voice communication. It can apply to any enterprise intranet, telecommunication level IP service carrier, and users with Internet connection. It is capable of communicating with regular PSTN phones with the support of telecommunication carriers, at very low costs. MeritPhone-ML220 can also be a cost-effective communication tool of high stability with traditional feel for any private network. This quick start guide will instruct users to quickly and easily install the MeritPhone-ML220, and operate it with a soft-switch platform. ML220 is VOIP terminal with two RJ45 connectors.

Note: ML 220 does not have NAT function

This product is designed with U.S. FCC standards, and is approved upon FCC testing.

2. Package Contents

Phone Handset

Handset Cord

Power Adapter: 12V DC (Input selection: 110V, 220V, 110/220V)

User's Manual

Ethernet Cable

3. Component Illustration

Figure 1——Front View

1~9 Keys number keys

* Key

Key call out

Function Keys:

M1~M8 fast dial

PHONEBOOK phone book

HOLD call keeping

VOL+ volume increase

VOL- volume decrease

BACKSPACE backspace

CALL call out

REDIAL redial

SPEAKER hand free

Menu Keys:

UP page up

DOWN page down

SET/OK set/ok

ESC exit

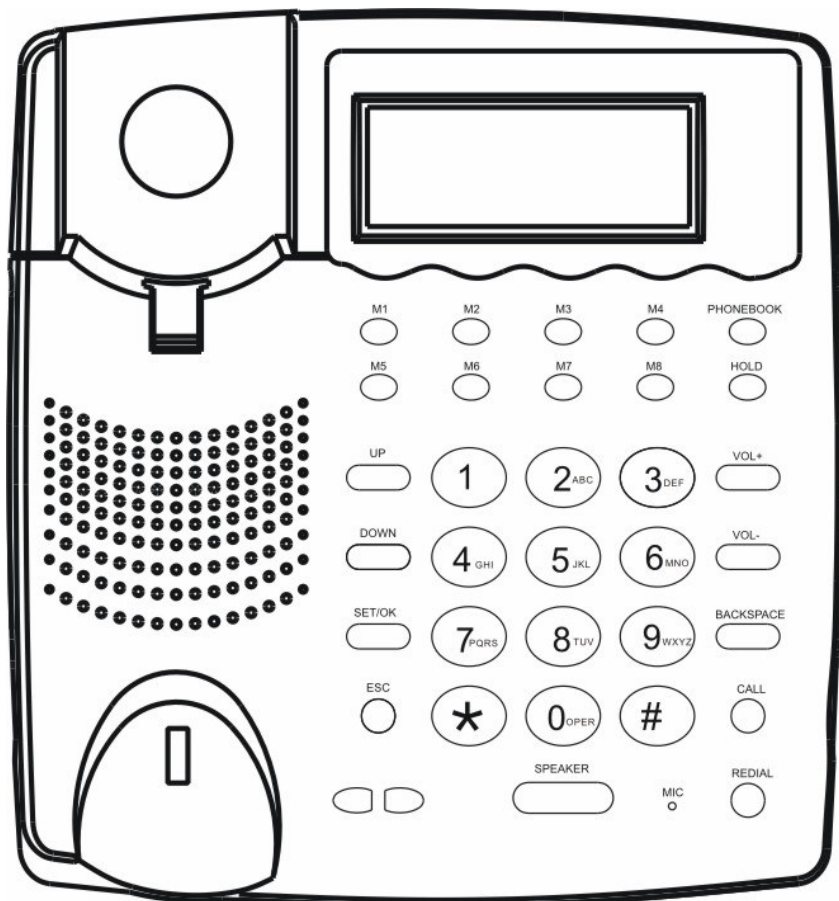
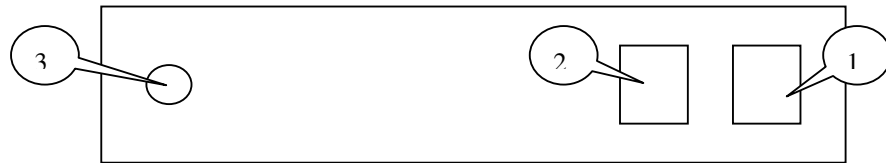


Figure 2——Side View

- 1——RJ-45 input port
- 2——RJ-45 output port
- 3——Power Port



4. Character Strings

Corresponding Keys:

Key	Characters
1	. , ' ? ! " 1 -
2	a b c 2 A B C 2
3	d e f 3 D E F 3
4	g h i 4 G H I 4
5	j k l 5 J K L 5
6	m n o 6 M N O 6
7	p q r s 7 P Q R S 7
8	t u v 8 T U V 8
9	w x y z 9 W X Y Z 9
0	() @ 0 - * &
*	*

If you need to enter alphabetic characters or a numeric sequence then press the corresponding key above repeatedly until the character you require is displayed.

Only when you key in the 'Local IP', 'Subnet Mask', 'Router IP', 'DNS1' and 'DNS2' you should use the '*' key for the dot.

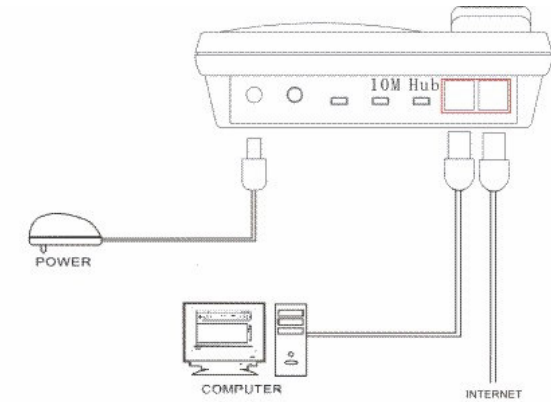
IMPORTANT NOTE: If the next character you want to type needs to be input using the same key then you must press '#' to confirm the last entry before you can generate the next character. For example: To enter 'Damon', press '3333326#666#66#'. ("m", "o" and "n" are all entered using '6' key so you must press '#' to confirm the last letter before you can generate the next character)

5. Installation and Settings

5.1 Installation

- (1) Place your MeritPhone-ML 220 near a power outlet.
- (2) Plug the RJ-45 connector of the Ethernet 10/100Base-T cable into the MeritPhone-ML 220's side input port①, and plug the other side into a hub or switch, or wall/ground socket of the structuring cable.
- (3) Plug the accessory power-adapter into the power outlet, then connect the output-plug to power-port ③ of the MeritPhone-ML 220.

NOTE: If the network is without a HUB, the MeritPhone-ML 220 should be connected with other Ethernet equipment (such as XDSL adapter, CABLE modem or PC) by crossing-over cable. Otherwise the direct-connecting cable is applied.



The phone should now be connected as in the diagram above.

Within 30 seconds of being connected to the Internet your MeritPhone should display “Ready For Calls”. If it does, then no other configuration is necessary – you can make calls. If the phone continues to say “Please Wait” or “Wait Logon” for more than 30 seconds then it has not been able to connect to the Internet – consult the Problems and Solutions section of this guide.

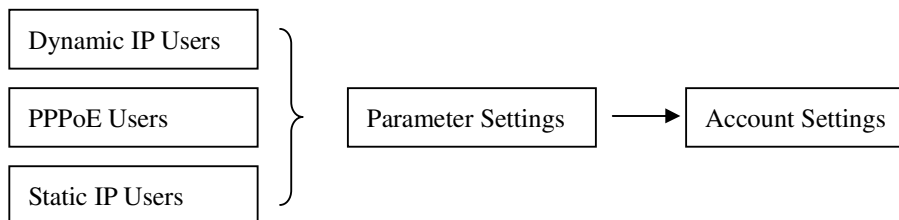
If your service provider has instructed you to configure the MeritPhone you will need to consult the Setting Instructions below.

5.2 Settings

Note: After you have changed a setting ESC back out of the menu and press SET/OK to save settings when prompted to.

5.2.1 Setting Steps

If your MeritPhone account has been set up, please skip the section ‘5.2.5 Account settings’.



5.2.2 Dynamic IP Users

If you need to configure DNS IP

Press SET/OK to enter the submenu and select ‘DNS1’ by pressing UP and DOWN.

Press SET/OK to enter setting menu and configure your DNS2.

If a spare DNS is requested, press SET/OK to enter the submenu and select DNS2 by pressing UP and DOWN; or you may press SET/OK to enter setting menu and configure your DNS2.

If the account information has been set up, you may start using as soon as you plug in.

5.2.3 PPPoE Users' Parameter Settings

Press 'SET/OK' to enter the main menu, and use 'UP' and 'DOWN' to scroll and select 'TCP/IP Settings'.

A. Do not use DHCP

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'Use DHCP'.

Press 'SET/OK' to enter settings. Input 0 to disable DHCP.

B. Use PPPoE

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'Use PPPoE'.

Press 'SET/OK' to enter settings. Input 1 to enable PPPoE.

C. Set PPPoE account

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'PPP Identity'.

Press 'SET/OK' to enter settings. Continue pressing a number key to change the letter, and press the '#' key to confirm it.

D. Set PPPoE Password

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'PPP Identity'.

Press 'SET/OK' to enter settings. Continue pressing a number key to change the letter, and press the '#' key to confirm it.

E. If DNS IP is requested

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'DNS1'.

Press 'SET/OK' to enter settings and configure your 'DNS1'.

If a spare DNS is requested, press SET/OK to enter the submenu and select DNS2 by pressing UP and DOWN; or you may press SET/OK to enter setting menu and configure your DNS2.

NOTE: When you finish setting up, press 'SET/OK' to confirm or 'ESC' to cancel. If you input your setting accordingly, the LCD will display the new setting. Otherwise, the LCD will display 'Input Invalid'; press ESC to return to your previous setting.

5.2.4 Static IP Users' Parameter Settings

Press 'SET/OK' to enter the main menu, and use 'UP' and 'DOWN' to scroll and select 'TCP/IP Settings'.

A. Do not use DHCP

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'Use DHCP'.

Press 'SET/OK' to enter settings. Input 0 to disable DHCP.

B. Set Local IP

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'Local IP'.

Press 'SET/OK' to enter settings. Input the IP address. Use the '*' key for the dot.

C. Set subnet mask

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'Subnet Mask'.

Press 'SET/OK' to enter settings. Input the IP address. Use the '*' key for the dot.

D. Set Router IP

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'Router IP'.

Press 'SET/OK' to enter settings. Input the IP address. Use '*' key for the dot.

E. Set DNS IP

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select DNS IP.

Press 'SET/OK' to enter settings. Input the IP address. Use '*' key for the dot.

If a spare DNS is requested, press SET/OK to enter the submenu and select DNS2 by pressing UP and DOWN; or you may press SET/OK to enter setting menu and configure your DNS2.

NOTE: When you finish set-up, press 'SET/OK' to confirm or 'ESC' to cancel. If you input your setting accordingly, the LCD will display the new setting. Otherwise, the LCD will display 'Input Invalid'; press ESC to return to your previous setting.

5.2.5 Account Settings

Press 'SET/OK' to the main menu; use 'UP' and 'DOWN' to select 'Account Settings'.

A. Set phone number

Press 'SET/OK' to the submenu; use 'UP' and 'DOWN' to select 'Phone Number'.

Press 'SET/OK', and then, use 0~9 to input the phone number

B. Set user ID

Press 'SET/OK' to the submenu; use 'UP' and 'DOWN' to select 'User Identity'.

Press 'SET/OK', and then, use 0~9 to input the user ID. Continuous press a number key to change the letter and press '#' key to confirm it.

C. Set user password

Press 'SET/OK' to the submenu; use 'UP' and 'DOWN' to select 'User Password'.

Press 'SET/OK', and then, use 0~9 to input the user password. Continuous press a number key to change the letter and press '#' key to confirm it.

6. Service Features

- MeritPhone calling MeritPhone
- MeritPhone calling Regular Phone
- Call Forwarding
- Regular Phone Calling MeritPhone (For service areas please refer to the service carrier's web sites)
- Conferencing

6.1 MeritPhone Calling MeritPhone

Every MeritPhone will be assigned a MeritPhone number. MeritPhone users can directly call each other's number followed by '#' key.

Example: A user with the number 6667777 calling another user with the number 7778888.

The 6667777 user simply pick up the MeritPhone handset, and dial 7778888 then press "#" key after hearing a dialing tone.

6.2 MeritPhone Calling Regular Phone

Every MeritPhone can call any land or mobile phone anywhere in the world. Please dial with the service carrier's dialing rule.

Example 1: If a U.S service carrier's dialing rule: To call a U.S or Canada number, please first dial 1, then the telephone number followed by '#' key.

MeritPhone user calling a U.S/Canada regular number 213-000-0000.

Pick up the MeritPhone handset, dial 12130000000 then press "#" key after hearing the dial tone.

Example 2: If a U.S service carrier's dialing rule: To call other countries' regular numbers, please first dial 011, then the country code (no '0' as prefix), and dial the telephone followed by '#' key.

MeritPhone user calling a China regular number 0755-88889999.

Pick up the MeritPhone handset; dial 0118675588889999 then press "#" key after hearing the dial tone.

Example 3: If a China service carrier's dialing rule: To call other countries' regular numbers, please dial the district code, and dial the telephone followed by '#' key.

MeritPhone user calling a China regular number 0755-88889999.

Pick up the MeritPhone handset, dial 075588889999 then press “#” key after hearing the dial tone.

6.3 Call Forwarding

Every MeritPhone has call forwarding capability, when the user is not online the incoming call can be forwarded to a preset telephone number.

Settings:

Enter the user system and click on the manual’s main page to set the forwarded number. The number must accord with MeritCall’s dialing rule.

User Information

User ID	lyx77
IP Phone Number	7777777
Balance(US\$)	222.00
Status	Normal
Payment Option	Prepay

Company	<input type="text" value="234"/>
Contact Telephone Number	<input type="text" value="132132132"/>
Email	<input type="text" value="65465@ncuid.com"/>
Call forwarding number	<input type="text" value="16664747"/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Please type in the target number the called is forwarded to.

NOTE: Call forwarding target number must be a PSTN number, with more than 7 digits.

Example 1: If a U.S service carrier’s dialing rule: To call a U.S or Canada number, please first dial 1, then the telephone number.

MeritPhone users want to make a call forward to 213-000-0000. MeritPhone user can fill in 12130000000.

Example 2: If a U.S service carrier’s dialing rule: To call other countries’ regular numbers, please first dial 011, then the country code (no ‘0’ as prefix), and dial the telephone at last.

MeritPhone users want to make a call forward to 0755-88889999. MeritPhone user can fill in 0118675588889999.

Example 3: If a China service carrier’s dialing rule: To call other countries’ regular numbers, please dial the district code, and dial the telephone at last.

MeritPhone users want to make a call forward to 0755-88889999. MeritPhone user can fill in 075588889999.

6.4 Regular Phone calling MeritPhone

This is an optional service. Only areas that provide MeritPhone access numbers allow calls from a regular phone to MeritPhone, for detail please refer to ‘Access Code Availability Schedules’ on the Carrier Service

page.

This service is categorized into two types: Once Dialing and Twice Dialing.

Once Dialing: Users with this service will have their MeritPhone numbers bundled with a regular local phone number of a certain place, and people will only have dial that bundled local phone number to reach the subscribing MeritPhone user.

Example: A Mexico MeritPhone user 6667777 bundles with a U.S Los Angeles regular phone number 1-213-000-0000, then friends in the U.S just have to dial 1-213-000-0000 to connect with the 6667777 MeritPhone.

Twice Dialing: People just have to dial any number listed on the Carrier Service page, and dial the MeritPhone number that subscribes to this service after hearing a second dial tone, and then they can reach that MeritPhone user.

Examples: A Mexico MeritPhone user 6667777 is subscribed to this service, and its Los Angeles access code is 1-213-000-0000. People only just need to dial 1-213-000-0000, then dial 6667777 then press “#” key to reach that MeritPhone user in Mexico.

6.5 Conferencing

How it Works

Once the conferencing call feature has been set-up on your account, you can initiate a conference and have a conference with different parties simultaneously. You will act as a ‘Host’ and invite ‘Participants’ into the conference that you initiated.

Setting yourself up for conference calling now

- Go to “My Account” interface



The screenshot shows a login window titled "Login". It contains three input fields: "IP Phone Num", "Password", and a CAPTCHA field. The CAPTCHA field has the text "Type in the numbers to the right of this box." and a box containing the number "68527". Below the input fields are two buttons: "Submit" and "Reset". At the bottom of the window, there is a link that says "Please click here to retrieve your password."

- Enter your IP Phone Number, Password and the digits displayed then click Submit.

My Home | My Rates | My Bill | My Call Record | My Payment | My Password | My Language | My Conference Call | Log Out

- Click “My Conference Call” in the grey menu bar to view the Conference Call Setup:

Establishing a Conference	
Please select a conference type	OnDemand
how many people in this conference?	
Set a password for the host?	<input type="checkbox"/> 1234
Set a password for participant?	<input type="checkbox"/> 4321
Submit	Reset

- Enter the maximum number of people you will likely be conferencing with at one time.
- In some circumstances a password will be required for the Host and Participant to be involved in the conference.
- Click on the check boxes to select the defaults of 1234 and 4321 to be the password or change them to something else you will remember easily. (If you do not click on the check boxes a random password will be chosen and advised to you.)
- Click Submit and your conference feature will be established.

How to initiate a conference call and invite others.

You, as the Host, enter the conference and bring the other participants into the call:

Steps in Detail:

- Dial access number, followed by # from your Phone.
- You will hear a beep tone confirming that you have entered the conference room. Now press # to invite a Participant to the conference room. After hearing the voice prompt 'Please enter the destination phone number followed by the pound key', dial the phone number of the person you want to bring into the conference and then press #. After the Participant answers, press # to add this participant to the conference. Alternatively if you dialed the wrong number or the Participant does not answer just press the "*" key and you will be returned to the conference without the Participant.
- To invite another participant, press #, wait for prompt, dial next participant's phone number followed by #, wait for answer and then press # to join them into conference. Repeat this process to invite more participants into the conference. Remember you can use * if you want to return to the conference without the Participant.

Note: You can conference other users by simply dialing their Phone number followed by #. For Participants with regular phone just dial the international dialing prefix followed by their regular telephone number and then press #.

How to have participants to enter the conference room themselves

Any participant that has a MeritPhone can dial our participant access number to enter an active conference him or herself. However the conference call needs to have already been initiated by the Host before the participant can join.

Steps in Detail:

- The Host must setup the Participant Password on the "My Account" web site. The Host must then tell the Participants the conference ID and the Participant password.

- B. Host initiates the Conference by dialing, host access number + #.
- C. Participant dials participant access number + #. Participant will hear the prompt 'To join a conference, press 1. To listen to a conference recording, press 2. To access your messages, press 3. To leave a voice mail, press the * key'. Participant should then press 1 and will hear the prompt "Please enter conference ID". Participant should then enter the conference ID (Host's Phone number) followed by #. Finally Participant will hear the prompt "Please enter the conference password followed by the # key" and should then enter the Participant password followed by # to enter the conference.
- D. Other participants can follow the same process as mentioned in C. to join the conference.

Note: Participants who only have a regular phone and are located in USA, Hong Kong or Taiwan can enter the conference from their regular phone by dialing the local access number (contact us for details) and once connected can dial participant access number + # as above. Otherwise the participant can only be invited into the conference by host

7. Functions

7.1 Redial

After the phone is hung up, pick up the handset, and press 'REDIAL' to dial the last dialed number.

7.2 Adjusting Handset and Speaker Volumes

During the phone call, press 'VOL+' to increase the volume and press 'VOL-' to lower the volume.

NOTE: Volume is reset to default volume when the phone is turned off or restarted

7.3 Review Incoming and Outgoing Call Information

Press 'SET/OK' to enter the main menu, and use 'UP' and 'DOWN' to scroll and select 'PhBook Settings' to view incoming and dialed calls information.

7.3.1 Review Missed Calls

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'Missed Call'.

Press 'SET/OK' to enter, and use 'UP' and 'DOWN' to select the phone number. Press 'CALL' to launch.

When the missed number is displayed on the screen, press SET/OK and then input contact person information, press SET/OK to save this number.

7.3.2 Review Received Calls

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'Received Calls'.

Press 'SET/OK' to enter, and use 'UP' and 'DOWN' to select the phone number. Press 'CALL' to launch.

You could check your call duration.

When the received call number is displayed on the screen, press SET/OK and then input contact person information, press SET/OK to save this number.

7.3.3 Review Dialed Number

Press 'SET/OK' to enter the submenu, and use 'UP' and 'DOWN' to select 'Dialed Number'.

Press 'SET/OK' to enter, and use 'UP' and 'DOWN' to select the phone number. Press 'CALL' to launch.

You could check your call duration.

Note: For Missed calls, Received calls and Dialed number, you can at most store 80 pieces records under each menu. When the record has reached this limit, the earliest records would be removed automatically. In case of power break or system reboot, all records would be lost.

Calling duration showed on the screen is only for your reference for the exact calling duration; please refer to the Gatekeeper billing system.

7.4 Use PhoneBook

Press SET/OK to the main menu and use UP and DOWN to select 'Phone Book Settings'

7.4.1 Query Phone Book

Press SET/OK to the submenu and use UP and DOWN to select 'Query Phone Book'.

Press SET/OK and use UP and DOWN to do query.

7.4.2 Add new numbers

Press SET/OK to the submenu and use UP and DOWN to select 'Add Phone Number'.

Press SET/OK to add new numbers.

Note: The limit is 112 pieces records.

7.4.3 Delete Phone Number in the Phone Book

A prompt to delete your phone number would pop up if you press SET/OK after entering your Phone Book.

Press SET/OK to add new numbers.

7.5 Hold

Press HOLD to block the voice.

7.6 Back Space

If entered a wrong number or letter, press the 'BACKSPACE' button to delete the last entry.

7.7 Hand Free Function

Press the 'SPEAKER' button can enable hand free conversation.

7.8 Upgrade

Press 'SET/OK' to enter the main menu, and use 'UP' and 'DOWN' to scroll and select 'Advanced Settings'.

Press SET/OK to the submenu and use UP and DOWN to select 'Upgrade Now!'.

Press SET/OK to upgrade.

NOTE: If no notice, please do not change the contents of 'Upgrade Now!'.

7.9 AbbrDialPlan

Press 'SET/OK' to enter the main menu, and use 'UP' and 'DOWN' to scroll and select 'Advcd Settings'.

7.9.1 Use AbbrDialPlan

Press SET/OK to the submenu and use UP and DOWN to select 'Use AbbrDialPlan';

Press SET/OK and then input 1.

7.9.2 Cancel AbbrDialPlan

Press SET/OK to the submenu and use UP and DOWN to select 'Use AbbrDialPlan';

Press SET/OK and then input 0.

7.9.3 Query AbbrDial

Press SET/OK to the submenu and use UP and DOWN to select 'Query AbbrDial';

Press SET/OK and then use UP and DOWN to check. There are altogether 10 pieces records in AbbrDial.

[Short Number form 0 to 9, Long Number is what the specific short number stands for.]

7.9.4 Add AbbrDialPlan

Press SET/OK to the submenu and use UP and DOWN to select 'Add AbbrDialPlan'.

Press SET/OK to add AbbrDialPlan.

7.9.5 Delete AbbrDialPlan

Press SET/OK to the submenu and use UP and DOWN to select 'Query AbbrDial';

Press SET/OK and use UP and DOWN to choose the particular piece of record you want to delete, press SET/OK to delete. Press ESC to cancel.

7.10 Speed Dials: M1---M8

7.10.1 SpeedDial Query

Just press the M1---M8 key to display the Speed Dial number. Press "Call" to launch this number.

7.10.2 Add Speed Dial number

Press M1---M8. If Speed dial is empty screen will display "Speed Dial Empty Add number/SetOk". Press SET/OK. Key in Contact's Name (refer Section 4 of this guide) followed by SET/OK and then enter the

contact's phone number. Press SET/OK to add.

7.10.3 Modify or delete Speed Dial number

Press M1---M8 speed dial to be modified or deleted. Press SET/OK to delete the currently stored speed dial. Press SET/OK if you wish to enter new details for this speed dial. Otherwise, if you wish to leave the Speed Dial empty just press ESC. Please press SET/OK to save the changes when prompted to.

Note: Speed dials can not be modified. You must delete the speed dial and then enter a replacement.

8. Frequent Problems and Answer

Problem	Possible Cause	Solution
Poor Voice Quality	Your internet connection bandwidth is less than 30Kbps	Your internet connection may not be performing correctly. Please contact your Internet Service Provider or Network administrator.
	Unstable network connection: Network delay > 500ms or network trembling > 100ms or network packet loss > 10%	
Phone continues to display either 'Please Wait' or 'Wait Logon'	Phone's connection to the internet is obstructed by a firewall.	Please contact the supplier of your MeritPhone for advice on how to configure your firewall or proxy server.
	Your network has a proxy server which is blocking the phone's connection to the internet.	
	Your phone is configured with incorrect account details.	Please contact the supplier of your MeritPhone for advice on how to reconfigure your account details.
	Your phone is configured with an incorrect server address.	Please contact the supplier of your MeritPhone to confirm your phone has the correct server details.

9. Others

9.1 System Characteristics

- Program memory—1024KB Flash memory
- Ethernet interface— two RJ45 connector compatible with IEEE 802.3 10 Base-T
- Keypad—besides the standard keys 0-9,*,#, there are another 12 function keys for operation and setting of MeritPhone-KE1000
- Status indicator—LED to indicate working status and LCD light
- Hand free function—full duplex speakerphone, dial-tone, speaker and loudspeaker volume can be digitally adjusted independently
- AC/DC adapter— input 100~120V (USA, Japan etc.) or 220~240V (China, Europe etc.) or 100~240V,47-63Hz
- Log on Soft-switch
- Automatic find Soft-switch
- Support DHCP: Automatically obtain local IP, subnet mask, router IP
- Support PPPoE
- Voice active detection
- Comfortable noise generation

- 16ms echo cancellation
- Dynamic buffer management—minimize effect to voice quality caused by audio delay jitter

9.2 Standard and Protocol

- IEEE 802.3 10 Base-T
- G.711A, G.711 μ , G.723.1 5.3K/6.3 Kbps and G.729 audio codec
- H.323
- Abbreviation dial plan
- TCP/IP: Internet Transport and Control Protocol
- RTP: Real-time Transport Protocol
- RTCP: Real-time Control Protocol
- G.723.1、G.729 VAD/CNG economical bandwidth
- G.165 16ms Echo cancel
- DTMF: DTMF Tone Generate and Detection
- DHCP: Dynamic Host Configuration Protocol
- DNS: Domain Name Server
- NTS: Network Time service
- HTTP: Hyper Text Transfer protocol
- FTP File Transfer Protocol
- Build in H323 proxy support

9.3 Specification

- 180 x 160 x 92 mm (L x W x H)

9.4 Electric Characteristics

- Voltage: 12V DC, 500mA
- Power adapter: AD/DC input 100~120V (USA, Japan etc.) or 220~240V (China, Europe etc.) or 100~240V, 47-63Hz
- Network interface: IEEE 802.3 10 Base-T
- EMC: FCC Part15 CLASS B

9.5 Operational Environment

- Operational temperature: 0 to 50° C (32° to 122° F)
- Storage temperature: -30° to 65° C (-22° to 149° F)
- Humidity: 10% to 90% no dew

9.6 Recommend usage net condition

- Delay: Less than 400ms
- Jitter: Less than 100ms
- Package lost percent: Less than 10%
- Bandwidth: More than 30Kbps

Safety Warning: Please do not place this product under fire and high temperature. Avoid heavy impact, and do not leave the product in rainy or highly humid environments!

10. Installation Options

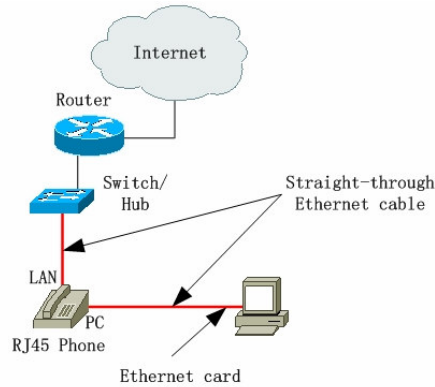


Fig. 1

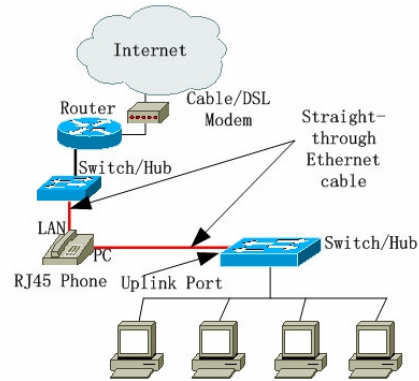


Fig. 2

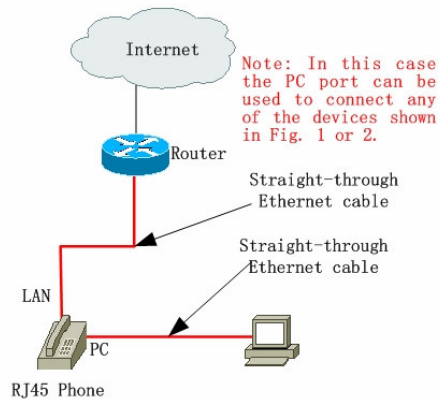


Fig. 3

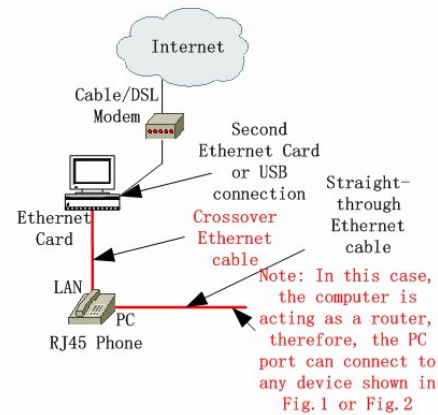


Fig. 4

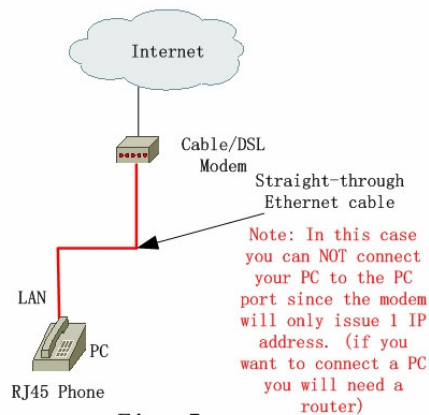


Fig. 5

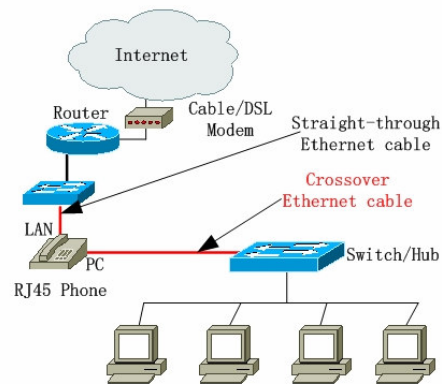


Fig. 6

Note: All routers shown in the above figures are typical routers or typical DSL/Cable Routers. However we can only describe the most common configurations, since there are numerous different network devices. Therefore if you experience any problems during installation and your configuration is not covered above then please contact our customer support team for assistance. Thanks you!